

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State. Data for miscellaneous sites provided by the Virginia Department of Environmental Quality - Water Division are noted by an "[a]".

Discharge measurements made at special study and miscellaneous sites during water year 1998						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN						
01605200 West Strait Creek [a]	Strait Creek	Lat 38°24'57", long 79°34'24", Highland County, at Monterey sewage treatment plant discharge, 0.3 mi upstream from Burners Run, and 0.4 mi downstream from bridge on U.S. Highway 220.	1.50	1995-97	10-10-97	.271
01616200 Clearbrook Run [a]	Hot Run	Lat 39°15'06", long 78°05'31", Frederick County, upstream from W.S. Frey Company discharge, 0.04 mi downstream from U.S. Highway 11, and 0.4 mi southeast of Clear Brook.	1.4	1994-97	7-23-98 9-30-98	3.05 1.52
01621100 Muddy Creek [a]	Dry River	Lat 38°27'58", long 78°58'33", Rockingham County, 60 ft upstream from Wampler and Longacre discharge, 350 ft downstream from bridge on U.S. Highway 33, and 0.2 mi west of Hinton.	16.4	1963, 1976, 1979, 1981, 1991-94, 1997	9- 3-98	2.15
01621210 War Branch [a]	Muddy Creek	Lat 38°27'58", long 78°58'38", Rockingham County, 500 ft upstream from mouth, and 0.3 mi west of Hinton.	12.5	1979, 1981, 1991-94, 1997	9- 3-98	.840
01622220 Unnamed tributary [a]	Middle River	Lat 38°04'23", long 79°14'57", Augusta County, at Castaline Trout Farms-Middlebrook, 0.6 mi upstream from bridge on State Highway 602, 0.7 mi upstream from mouth, and 2.4 mi northwest of Middlebrook.	1.13	1994-97	6-24-98	2.44
016222990 Unnamed tributary [a] (No.2)	Middle River	Lat 38°07'58", long 79°13'30", Augusta County, 150 ft downstream from Camp Shenandoah Lake, 0.4 mi upstream from mouth, and 2.0 mi southwest of Swoope.	0.99	1996-97	10-10-97 6-24-98 9-10-98	.791 1.65 .889
01622468 Jennings Branch [a]	Middle River	Lat 38°16'57", long 79°13'47", Augusta County, at Whites Store, 200 ft upstream from Stoutameyer Branch, and 3.5 mi northwest of Lone Fountain.	9.2	1996-97	10-10-97 7-16-98 9-22-98	.208 .378 .007
01624350 Middle River [a]	North River	Lat 38°11'25", long 78°58'27", Augusta County, 500 ft upstream from Staunton/Verona sewage treatment plant discharge, 1,500 ft upstream from Lewis Creek, and 2.0 mi southwest of Verona.	-	1991-93, 1995, 1997	9- 3-98	61.3

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01624880 Meadow Run [a]	Christians Creek	Lat 38°09'17", long 78°55'24", Augusta County, 0.2 mi down- stream from bridge on State Highway 254, 0.4 mi upstream from Coleytown Run, and 1.0 mi northwest of Hermitage.	11.83	1995-97	7-13-98	5.76
					9-30-98	2.71
01624940 Unnamed tribu- tary [a] (No.3)	Middle River	Lat 38°14'54", long 78°57'37", Augusta County, at Mt. Sidney/ Fort Defiance sewage treatment plant, 100 ft upstream from Railroad bridge, 0.3 mi downstream from culvert on U.S. Highway 11, and 0.7 mi south of Mount Sidney.	0.25	1996-97	10-10-97	.098
					6-23-98	.858
					9-30-98	.146
01625847 South River [a]	South Fork Shenandoah River	Lat 38°01'07", long 79°01'08", Augusta County, at Stuarts Draft sewage treatment plant, 0.8 mi downstream from bridge on State Highway 608, and 1.2 mi southeast of Stuarts Draft.	52.47	1997	7-13-98	20.6
					9-29-98	8.98
01626575 Jones Hollow Run [a]	South River	Lat 38°03'45", long 78°52'24", Waynesboro City at culverts on Hunter Street in Waynesboro, 0.6 mi upstream from mouth, and 0.8 mi downstream from Jones Hollow Dam.	2.6	1997	7-13-98	.762
					9- 3-98	.040
01626952 Porter- field Run [a]	South River	Lat 38°08'04", long 78°52'00", Augusta County, 0.3 mi up- stream from mouth, 0.5 mi downstream from culvert on State Highway 865, and 0.8 mi east of Madrid.	4.79	-	6-23-98	1.84
					9- 3-98	.667
01628590 Unnamed tribu- tary [a] (No.2)	Cub Run	Lat 38°22'43", long 78°48'21", Rockingham County, at Lawyer Road sewage treatment plant, 0.4 mi upstream from mouth, and 0.5 mi south of Penn Laird.	0.687	1994-97	6-23-98	.250
					9- 3-98	.030
01629945 Chub Run	Hawksbill Creek	Lat 38°34'31", long 78°27'32", Page County, at culvert on State Highway 689, 2.2 mi east of Stanley, and 3.1 mi upstream from mouth.	3.16	1994	1-15-98	5.71
01632700 Holmans Creek [a]	North Fork Shenandoah River	Lat 38°42'57", long 78°45'37", Shenandoah County, 100 ft downstream from Lake Wunder, 0.2 mi upstream from State Highway 728 and 1.4 mi west of Forestville.	4.96	1994-97	7-28-98	1.45
					9-30-98	.720
01632970 Crooked Run	Mill Creek	Lat 38°45'44", long 78°41'06", Shenandoah County, at culvert on State Highway 263, 0.4 mi upstream from mouth and 2.3 mi west of Mt. Jackson.	6.49	1994	1-15-98	5.65
01633570 North Fork Shenandoah River [a]	Shenandoah River	Lat 38°49'34", long 78°32'03", Shenandoah County, upstream from Aileen, Inc. water intake, 1.5 mi downstream from Stony Creek, and 1.7 mi east of Edinburg.	644	1993-95, 1997	7-28-98	154
					9-30-98	95.7

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01633650 Pughs Run	Shenandoah River	Lat 38°55'48", long 78°32'43" Shenandoah County, on left upstream wingwall of culvert on State Highway 623, 4.0 mi northwest of Woodstock, and 5.4 mi upstream from mouth.	3.66	1996	1-8-98	41.2
01633730 Toms Brook [a]	North Fork Shenandoah River	Lat 38°56'42", long 78°26'32", Shenandoah County, at bridge on U.S. Highway 11, at Toms Brook.	9.35	1952-54, 1969-70, 1994-97	7-28-98	2.16
01636210 Happy Creek [a]	Shenandoah River	Lat 38°54'20", long 78°11'10", Warren County, at bridge on Criser Road (Kerfoot Avenue), at Front Royal, 2.3 mi up- stream from Leach Run, and 2.9 mi upstream from mouth.	14.0	1948-77†, 1981-83, 1991-97	7- 9-98 9-14-98	5.54 .464
01636225 Unnambd tribu- tary [a]	Crooked Run	Lat 39°02'56", long 78°10'29", Frederick County, at culvert on State Highway 636, 1.5 mi upstream from mouth, and 2.4 mi north of Nineveh.	0.60	1993-97	7- 9-98	.090
01636228 Crooked Run [a]	Shenandoah River	Lat 38°59'14", long 78°11'00", Warren County, 0.7 mi upstream from bridge on State Highway 627, 0.7 mi north of Cedarville.	29.88	1997	7- 9-98 9-14-98	3.18 1.98
01636240 Crooked Run [a]	Shenandoah River	Lat 38°57'22", long 78°11'53", Warren County, 100 ft down- stream from bridge on U.S. Highways 340 and 522, 0.6 mi north of Riverton, and 0.9 mi upstream from mouth.	-	1991-97	7- 9-98 9-14-98	8.37 3.17
01636266 Manassas Run [a]	Shenandoah River	Lat 38°54'49", long 78°05'58", Warren County, 100 ft upstream from bridge on State Highway 79, 1.3 mi west of Linden.	5.25	1991-97	7- 9-98 9-14-98	2.39 .191
01636295 Roseville Run [a]	Spout Run	Lat 39°05'18", long 78°03'51", Clarke County, at Boyce sewage treatment plant discharge, at Boyce town boundary, and 100 ft downstream from bridge on U.S. Highway 340.	2.47	1995-97	7-23-98 9-14-98	.351 .077
01636345 Unnamed tribu- tary [a]	Wheat Spring Branch	Lat 39°07'26", long 77°54'54", Clarke County, at S.M. Perry discharge, 50 ft upstream from culvert on State High- way 612, 1.3 mi upstream from mouth, and 4.0 mi southeast of Berryville.	0.61	-	7-23-98	0
01652500 Fourmile Run	Potomac River	Lat 38°50'35", long 77°05'09", Arlington County, at bridge on Shirlington Road, 0.1 mi upstream from Interstate Highway 395, and 2.5 mi upstream from mouth.	13.8	1951-69†, 1970-73, 1974-75†, 1976-77c, 19079-82†, 1983-92	9-10-98	3.21

† Operated as a continuous-record gaging station.

a Provided by the Virginia Department of Environmental Quality - Water Division.

c Prior to Sept. 28, 1973, at site 0.4 mi downstream at datum 6.02 ft lower.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
POTOMAC RIVER BASIN--Continued						
01657865 Neabsco Creek trib- utary	Neabsco Creek	Lat 38°39'13", long 77°17'48", Prince William County, in Dale City, 0.2 mi upstream from Prince William Parkway.	-	1997	10- 8-97	.02
GREAT WICOMICO RIVER BASIN						
01661800 Bush Mill Stream [b]	Great Wicomico River	Lat 37°52'36", long 76°29'40", Northumberland County, at bridge on State Highway 601, 2.2 mi northwest of Howland, 3.0 mi southwest of Heathsville, and 3.5 mi upstream from mouth.	6.82	1964-69†, 1970-86†, 1987-93, 1996-97	6- 3-98	4.83
RAPPAHANNOCK RIVER BASIN						
01661835 Unnamed tribu- tary [a]	Hickman Run	Lat 38°45'14", long 78°06'24", Rappahannock County, 50 ft upstream from culvert on State Highway 641, 0.8 mi southwest of Flint Hill.	0.125	1994-97	10-14-97 7-21-98 9-16-98	.017 .040 0
01662010 Unnamed tribu- tary [a] (No.8)	Rappahannock River	Lat 38°39'50", long 77°54'50", Culpeper County, at South Wales sewage treatment plant discharge, 0.7 mi upstream from confluence with Rappahannock River, and 1.9 mi north of Jeffersonton.	1.21	1995-97	10-14-97 7-21-98 9-16-98	<.001 <.001 <.001
01662050 Unnamed tribu- tary [a]	Great Run	Lat 38°43'00", long 77°48'57", Fauquier County, upstream from Warrenton sewage treat- ment plant discharge, at Warrenton, and 300 ft up- stream from bridge on U.S. Highway 211.	-	1993-97	10-14-97 7-21-98 9-16-98	.134 .310 .138
01662320 Thornton River [a]	Hazel River	Lat 38°39'29", long 78°13'13", Rappahannock County, at Sperry- ville, 0.25 mi upstream from con- fluence with N.F. Thornton River and 0.3 mi downstream from bridge on U.S. Highway 522.	10.4	1995-97	10-14-97 7-21-98 9-16-98	3.84 3.38 .575
01665050 Pony Mountain Branch	Mountain Run	Lat 38°27'04", long 77°57'24", Culpeper County, at culvert on State Highway 3, 0.3 mi upstream from mouth, and 2.7 mi southeast of Culpeper.	.30	1983, 1994	1-13-98	.17
01668300 Farmers Hall Creek	Rappahannock River	Lat 38°00'05", long 76°58'40", Essex County, at culvert on U.S. Highway 17, 1.2 mi southeast of Champlain.	2.18	1969, 1991, 1996-97	5-18-98	1.93
PIANKATANK RIVER BASIN						
01669800 My Ladys Swamp	Piankatank River	Lat 37°34'34", long 76°31'30", Middlesex County, at culvert on State Highway 629, 4.4 mi southeast of Saluda, and 1.45 upstream from mouth.	4.81	1996-97	6- 3-98	4.66

† Operated as a continuous-record gaging station.
< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YORK RIVER BASIN						
01670180 Pamunkey Creek	Lake Anna	Lat 36°11'53", long 77°58'09", Orange County, at bridge on State Highway 669, 0.45 mi south of Lahore, and 3.8 mi upstream from Lake Anna.	40.5	1989-91, 1994, 1997	3-31-98	58.8
01670320 Freshwater Creek [a]	Contrary Creek	Lat 38°00'33", long 77°53'56", Louisa County, 20 ft upstream from Mineral sewage treatment plant, 600 ft upstream from culvert on State Highway 618, and 0.5 mi east of Mineral.	-	1991-97	10- 9-97 6-30-98 9- 1-98	.063 .322 0
01671270 Licking- hole Creek [a]	South Anna River	Lat 38°04'33", long 78°08'55", Louisa County, 700 ft down- stream from Izac Lake, 0.5 mi upstream from mouth, and 2.1 mi east of Boswells Tavern.	2.73	-	10- 9-97 9- 1-98	.051 .012
01671925 Northeast Creek [a]	South Anna River	Lat 37°58'39", long 77°56'22", Louisa County, at Louisa WTP discharge, 300 ft downstream from culvert on U.S. Highway 33, and 2.5 mi south of Mineral.	10.07	1994-97	10- 9-97 6-30-98 9- 1-98	.508 2.55 .051
01673610 Unnamed tribu- tary [a]	Clopton Swamp	Lat 37°33'05", long 77°06'22", New Kent County, at Kenwood Farmes sewage treatment plant discharge, 0.6 mi upstream from mouth, and 1.6 mi northeast of Quinton.	0.22	1994-97	10- 8-97 9- 1-98 9-28-98	.051 .117 .149
01674160 Polecat Creek [a]	Mattaponi River	Lat 37°58'09", long 77°32'20", Caroline County, 150 ft down- stream from culvert on State Highway 601, 0.7 mi northeast of Cedar Fork, and 2.1 mi west of Golansville.	1.15	1994-97	10-14-97 11-19-97 12- 9-97 1- 5-98 2- 3-98 3- 3-98 4- 7-98 5- 7-98 6- 2-98 7- 6-98 8- 5-98 9- 2-98	.002 .120 .193 .299 1.38 5.34 1.64 .680 .117 .011 .003 .002
01674171 Unnamed tribu- tary [a]	Polecat Creek	Lat 37°57'56", long 77°29'17", Caroline County, 200 ft up- stream from mouth, 1.2 mi south of Golansville, and 2.4 mi north of Carmel Church.	3.94	1994-97	10-14-97 11-19-97 12- 9-97 1- 5-98 2- 3-98 2- 6-98 3- 3-98 4- 7-98 5- 7-98 6- 2-98 7- 6-98 8- 5-98 9- 2-98	.006 1.24 2.41 1.73 8.24 42.4 13.6 12.1 6.09 3.74 .212 0 0

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YORK RIVER BASIN--Continued						
01674172 Polecat Creek [a]	Mattaponi River	Lat 37°58'13", long 77°29'13", Caroline County, 150 ft upstream from bridge on State Highway 652, 0.5 mi upstream from Stevens Mill Run, and 1.1 mi southeast of Golansville.	10.8	1994-97	10-14-97	.002
					11-19-97	4.35
					12- 9-97	4.71
					1- 5-98	5.62
					2- 3-98	21.1
					3- 3-98	44.0
					4- 7-98	26.5
					5- 7-98	18.8
					6- 2-98	6.58
					7- 6-98	.446
					8- 5-98	0
					9- 2-98	0
01674174 Stevens Mill Run [a]	Polecat Creek	Lat 37°59'20", long 77°29'50", Caroline County, 100 ft downstream from bridge on State Highway 601, 0.6 mi north of Golansville, 0.8 mi downstream from Lake Caroline, and 1.6 mi upstream from mouth.	9.50	1994-97	10-14-97	.394
					11-19-97	4.24
					12- 9-97	3.03
					1- 5-98	5.68
					2- 3-98	65.2
					3- 3-98	37.7
					4- 7-98	27.2
					4-27-98	8.37
					5- 7-98	14.8
					6- 2-98	2.00
					7- 6-98	.472
					8- 5-98	.166
9- 2-98	.100					
01674180 Polecat Creek [a]	Mattaponi River	Lat 37°57'20", long 77°22'08", Caroline County, 200 ft upstream from bridge on State Highway 601, 0.25 mi southeast of Penola, and 2.2 mi upstream from mouth.	48.3	1994-97	10-14-97	.975
					11-19-97	27.5
					12- 9-97	23.7
					1- 5-98	32.8
					2- 3-98	138
					2- 6-98	841
					3- 3-98	166
					4- 7-98	149
					5- 7-98	121
					6- 2-98	26.5
					7- 6-98	8.32
					8- 5-98	.406
9- 2-98	.022					
01674200 Reedy Creek	Mattaponi River	Lat 37°52'55", long 77°21'35", Caroline County, at bridge on U.S. Highway 301, 3.3 mi north of Dawn and 11 mi south of Bowling Green.	16.8	1950, 1952-53, 1955-57, 1961, 1969, 1973-75, 1990-93, 1996-97	5-18-98	19.2
JAMES RIVER BASIN						
02011010 Warm Springs Run [a]	James River	Lat 38°02'57", long 79°47'43", Bath County, 100 ft upstream from Warm Springs sewage treatment plant, 0.2 mi down- stream from unnamed tributary, and 0.3 mi northwest of Warm Springs.	2.96	1991-97	6-26-98	5.58
					9-29-98	2.43
02011830 Hot Springs Run [a]	Cedar Creek	Lat 38°00'33", long 79°51'47", Bath County, 50 ft upstream from Hot Springs Regional sewage treatment plant, 0.5 mi east of Bacova Junction, and 0.7 mi downstream from bridge on State Highway 615.	4.32	1993-97	6-26-98	2.99
					9-29-98	1.91

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02012500 Jackson River	James River	Lat 37°52'36", long 79°58'39", Alleghany County, at Smith Bridge, 0.8 mi south of Falling Spring, and 1.6 mi downstream from Falling Spring Creek.	411	1925-96	10-16-97 3-31-98	219 428
02012980 Jerrys Run [a]	Dunlap Creek	Lat 37°48'37", long 80°11'25", Alleghany County, at I-64 Rest Area, 0.6 mi east of Exit 2, and 5.3 mi north of Alleghany.	1.89	1996-97	6-22-98	.273
02015300 Wilson Creek [a]	Jackson River	Lat 37°50'37", long 79°48'01", Alleghany County, at Tukes Trailer Court discharge, 1.5 mi northwest of Longdale, and 2.5 mi upstream from mouth.	28.34	1995-97	6-25-98 9-22-98	7.11 .095
02015600 Cowpasture River	James River	Lat 38°19'30", long 79°26'14", Highland County, on left down- stream wingwall of bridge on U.S. Highway 250, 1.2 mi west of Head Waters, and 3 mi upstream from Shaw Fork.	11.3	1995-97	1-10-98	49.2
02017700 Craig Creek tribu- tary	Craig Creek	Lat 37°33'21", long 79°59'52", Craig County, at culvert on State Highway 606, 0.4 mi up- stream from mouth, and 7.1 mi northeast of New Castle.	2.05	1968-71 1992, 1994	*6-23-95 1- 6-98	147 2.56
02018310 Unnamed tribu- tary (No.3) [a]	James River	Lat 37°38'17", long 79°47'52", Botetourt County, at Eagle Rock, 50 ft downstream from culvert on State Highway 688, and 300 ft upstream from mouth.	0.87	1997	10-24-97 6-22-98	0 0
02018810 Crooked Run [a]	North Fork	Lat 37°30'44", long 79°55'40", Botetourt County, at Camp Fincastle Lake outfall, 0.3 mi downstream from Woodville Spring, and 2.8 mi northwest of Fincastle.	-	-	6-22-98 9- 9-98	1.47 .853
02018850 Borden Creek [a]	Catawba Creek	Lat 37°32'17", long 79°54'24", Botetourt County, 0.7 mi downstream from culvert on State Highway 666, 1.0 mi upstream from confluence with Sukey Johnson Branch, and 1.6 mi west of Flatwoods.	-	1997	10-24-97 6-22-98 9- 9-98	.731 2.06 .815
02020100 Renick Run	James River	Lat 37°35'27", long 79°38'04", Botetourt County, at culvert on Frontage Road of Interstate Highway 81, 4.8 miles north- east of Buchanan.	2.06	1969-71, 1995-97	1-13-98	1.80
02021080 Alum Creek [a]	Brattons Run	Lat 37°54'36", long 79°36'27", Rockbridge County, 300 ft south of State Highway 633, 1.2 mi upstream from mouth, and 4.6 mi south of Millboro.	3.21	1992-97	9-22-98	.028

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Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02021110 Brattons Run [a]	Calfpasture River	Lat 37°58'07", long 79°30'17", Rockbridge County, 200 ft upstream from bridge on State Highway 39, 0.7 mi southwest of Goshen, and 1.0 mi down- stream from bridge on State Highway 780.	28.86	1991-97	6-25-98 9-22-98	7.48 .207
02021400 Unnamed tribu- tary [a]	Byrd Spring Creek tributary	Lat 38°02'26", long 79°23'12", Augusta County, at Castaline Trout Farm - Craigsville, 0.3 mi upstream from State Highway 683, and 2.7 mi south of Craigville.	0.38	1994-97	7-16-98	1.63
02021670 Cedar Creek [a]	Cedar Grove Branch	Lat 37°53'32", long 79°18'49", Rockbridge County, 1.6 mi northwest of Fairfield, 1.9 mi upstream from culverts on State Highway 712, and 3.3 mi upstream from mouth.	1.75	-	7-16-98 9-10-98	.756 .437
02023390 Moores Creek [a]	South River	Lat 37°55'57", long 79°13'52", Rockbridge County, at Wilco Travel Plaza, 200 ft upstream from State Highway 917 and 0.3 mi south of Raphine.	0.70	1994-97	6-24-98	.722
02023395 Moores Creek [a]	South River	Lat 37°54'57", long 79°14'10", Rockbridge County, at Raphine Motel sewage treatment plant, 0.6 mi upstream from bridge on U. S. Highway 11, and 1.5 mi south of Raphine.	2.46	1994-97	6-24-98 9-10-98	3.06 1.23
02023410 Marl- brook Creek [a]	South River	Lat 37°52'59", long 79°16'57", Rockbridge County, 30 ft up- stream from culvert on U.S. Highway 11, 500 ft downstream from culvert on State Highway 613, and at Fairfield.	1.38	-	6-24-98 9-10-98	1.88 .362
02024208 Indian Gap Run [a]	Maury River	Lat 37°43'38", long 79°21'38", Rockbridge County, at Buena Vista City 600 ft upstream from mouth, and 0.2 mi downstream from culvert on U.S. Highway 501.	4.57	1995-97	7-13-98 9-22-98	.492 .271
02025610 Harris Creek [a]	James River	Lat 37°32'53", long 79°08'30", Amherst County, at Old Dominion Job Corps discharge, 0.9 mi up- stream from confluence with Fall- ing Rock Creek, and 2.5 mi north- west of Paulconerville.	11.4	1995-97	7- 6-98	7.97
02025680 Unnamed tribu- tary [a]	Harris Creek	Lat 37°28'43", long 79°08'11", Amherst County, at bridge on private road, 100 ft upstream from Ivanhoe Forest Subdivision sewage treatment plant, and 1.4 mi south of Monroe.	0.50	1993-97	7- 6-98	.210
02025850 Ivy Creek [a]	Blackwater Creek	Lat 37°23'36", long 79°18'35", Bedford County, 100 ft down- stream from Ivy Hill Lake, 2.1 mi upstream from State Highway 662, and 2.7 mi northeast of Norwood.	9.68	1994-97	7- 1-98	5.65

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Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02025890 Unnamed tribu- tary [a]	Tussocky Creek	Lat 37°17'55", long 79°09'04", Campbell County, at Evergreen Mobile Home Park, 1.0 mi up- stream from confluence with tributary from Willow Lake, and 2.8 mi southeast of City Farm.	0.20	1996-97	7- 1-98 9-21-98	.018 .013
02025970 Wreck Island Creek [a]	James River	Lat 37°28'52", long 78°53'43", Appomattox County, 50 ft up- stream from Appomattox Line Company discharge, 2.0 mi downstream from bridge on State Highway 683, and 3.0 mi south of Riverville.	56.11	1993-97	7- 6-98 9-21-98	36.5 22.2
02027700 Tribu- tary	Buffalo River	Lat 37°33'45", long 78°57'35", Amherst County, at culvert on U.S. Highway 60, 5.2 mi southeast of Amherst.	0.46	1966-71, 1996-97	3-23-98	1.71
02028480 Unnamed tribu- tary [a]	South Fork Rockfish River	Lat 37°54'16", long 78°57'51", Nelson County, 200 ft upstream from Wintergreen Mountain sewage treatment plant, 2.8 mi northeast of Love.	0.34	1993-97	7- 6-98	.236
02030400 Turpin Creek [a]	Slate River	Lat 37°14'19", long 78°28'50", Buckingham County, at Bucking- ham Medium Security Institute #3 discharge, 1.5 mi upstream from Peyton Creek, and 2.0 mi northwest of Dillwyn.	1.32	1994-97	10- 7-97 7-30-98 9-21-98	.271 .499 .250
02030755 Unnamed tribu- tary [a]	North Creek	Lat 37°45'28", long 78°15'38", Fluvanna County, at Village Nursing Center discharge, 0.2 mi south of Fork Union, and 0.5 mi upstream from mouth.	0.08	1994-97	10- 8-97 6-30-98 9-28-98	<.001 .002 <.001
02030760 North Creek [a]	South Creek	Lat 37°45'27", long 78°15'02", Fluvanna County, 100 ft upstream from Fork Union Military Academy sewage treatment plant, at bridge on State Highway 652, and 0.8 mi southeast of Fork Union.	2.0	1990-97	10- 8-97 6-30-98 9-28-98	.131 .664 .122
02032300 Muddy Run	Buck Mountain Creek	Lat 38°14'05", long 78°37'02", Albemarle County, at bridge on State Highway 810, 0.7 mi upstream from mouth, and 11 mi southwest of Stanardsville.	3.36	-	*2- 2-83 *4- 4-83 *3-24-89 1-13-98	12.3 27.3 25.3 8.13
02033300 Moores Creek	Rivanna River	Lat 38°00'25", long 78°34'25", Albemarle County, at culvert on access road, 30 ft north of U.S. Highway 29, 2.8 mi upstream from Morey Creek, and 4 mi southwest of Charlottesville.	3.52	1969, 1990, 1991, 1996-97	3-31-98	8.55

* Not previously published.

< Less than.

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02033390 Biscuit Run [a]	Moores Creek	Lat 37°59'57", long 78°31'09", Albemarle County, at Southwood Mobile Home Park discharge, 1.1 mi upstream from Inter- state Highway 64, 0.8 mi south of Charlottesville City limits and 1.3 mi upstream from mouth.	12.56	1994-97	10- 9-97 7-15-98 9-15-98	3.47 6.09 1.68
02033570 Shadwell Creek[a]	Rivanna River	Lat 38°01'13", long 78°25'27", Albemarle County, at Ramada Inn discharge, 0.3 mi upstream from bridge on U.S. Highway 250, and 1.6 mi west of Shadwell.	0.624	-	10- 9-97 7-15-98 9-15-98	.035 .146 .030
02033670 Rivanna River[a]	James River	Lat 38°00'24", long 78°24'02", Albemarle County, at bridge on State Highway 729, 0.4 mi upstream from Camp Branch, and 0.5 mi southwest of Shadwell.	-	1993, 1995, 1997	10- 8-97 8-31-98	82.7 120
02033800 Mechunk Creek [a]	Rivanna River	Lat 38°59'03", long 78°18'44", Fluvanna County, at bridge on U.S. Highway 250, 5.0 mi west of Zion Crossroads.	-	1941, 1951, 1953-54, 1964, 1994-97	10- 8-97 8-31-98 9-28-98	5.19 1.61 .494
02036000 Beaverdam Creek [a]	James River	Lat 37°38'50", long 77°49'34", Goochland County, at bridge on State Highway 6, at State Farm, and 1.7 mi northwest of Crozier.	40.0	1943, 1951-54, 1995-97	10- 7-97 8-31-98 9-28-98	3.16 1.04 .695
02038000 Falling Creek	James River	Lat 37°26'37", long 77°31'21", Chesterfield County, at bridge on State Highway 651, 2.8 mi upstream from Pocoshock Creek and 4.7 mi northwest of Ches- terfield.	32.8	1955-94†, 1996-97	5-29-98	26.0
02038670 Unnamed tribu- tary [a]	James River	Lat 37°23'48", long 77°22'36", Henrico County, 0.2 mi downstream from culvert on Kingsland Road, 0.8 mi upstream from mouth, and 4.4 mi east of Centralia.	0.77	1997	10-10-97 8-24-98	.057 .026
02038730 Fourmile Creek [b]	James River	Lat 37°27'16", long 77°19'53", Henrico County, at bridge on Doran Road, 0.2 mi upstream from confluence with Ross Run, and 3.7 mi east of Richmond Heights.	4.01	1980-83, 1997	10-10-97 8-24-98	.442 .102
02038810 South Fork Appomattox River [a]	Appomattox River	Lat 37°21'13", long 78°48'50", Appomattox County, at Appo- mattox lagoon discharge, 200 ft downstream from culvert on U.S. Highway 460 bypass, and 0.8 mi southeast of Appomattox.	0.46	1994-97	7- 6-98 8-25-98	.113 .069
02038840 Holiday Creek	Appomattox River	Lat 37°25'58", long 78°41'12", Buckingham County, at State Forest Road 2307 (old Rich- mond Road), 1.8 mi upstream from confluence with North Holiday Creek, and 5.2 mi south-southwest of Toga.	1.68	1972, 1989-90, 1994, 1997	1- 8-98	4.72

† Operated as a continuous-record gaging station.

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02038845 North Holiday Creek	Holiday Creek	Lat 37°26'09", long 78°40'04", Buckingham County, at State Forest Road 2307 (old Rich- mond Road), 1.0 mi upstream from mouth, and 4.5 mi south- southwest of Toga.	1.31	1972-73, 1989-90, 1994, 1997	1- 8-98	2.86
02040500 Flat Creek	Appomattox River	Lat 37°23'37", long 78°03'45", Amelia County, at bridge on State Highway 681, 0.5 mi downstream from Horsepen Creek, and 6.0 mi northwest of Amelia.	73.0	1947-78, 1952-54, 1971-72, 1977, 1981-85, 1987-89, 1992, 1996-97	5-29-98	44.1
02040590 Nibbs Creek [a]	Flat Creek	Lat 37°22'02", long 77°59'33", Amelia County, 150 ft upstream from Courthouse Branch, 0.2 mi downstream from bridge on State Highway 681, and 1.8 mi north of Amelia Courthouse.	15.51	1997	10- 7-97 9-14-98 9-23-98	1.38 .551 1.58
02041700 Cattail Run [a]	Appomattox River	Lat 37°12'58", long 77°26'39", Dinwiddie County, at Peters- burg, 500 ft upstream from U.S. Highway 1 and 460, and 0.7 mi upstream from mouth.	8.61	1993-97	10- 9-97 9-14-98	.290 .455
02041745 Poor Creek	Appomattox River	Lat 37°12'56", long 77°22'29", Petersburg City, 100 ft up- stream from Siege Road, 2.8 mi southwest of entrance to Petersburg National Battle- field, and 1.5 mi west of Fort Lee.	-	-	9-10-98	.09
02041748 Poor Creek	Appomattox River	Lat 37°13'49", long 77°22'32", Petersburg City, 0.5 mi west of Siege Road, 2.0 mi south- west of entrance to Petersburg National Battlefield, and 2.0 mi west of Fort Lee.	-	-	9- 9-98	.10
02041758 Harrison Creek	Appomattox River	Lat 37°13'58", long 77°21'50", Petersburg City, 75 ft down- stream from Siege Road, 1.3 mi southwest of entrance to Petersburg National Battle- field, and 1.0 mi west of Fort Lee.	-	-	9- 9-98	0
02041760 Harrison Creek	Appomattox River	Lat 37°14'25", long 77°21'50", Petersburg City, 100 ft down- stream of State Highway 36, 0.5 mi west of entrance to Petersburg National Battle- field, and 1.0 mi west of Fort Lee	-	-	9- 9-98	.10
02041790 Harrison Branch [a]	Appomattox River	Lat 37°15'45", long 77°21'22", Prince George County, at Red Hill Mobil Home Park, 1.1 mi upstream from mouth, 1.8 mi west of Jefferson Park, and 3.0 mi east of Colonial Heights.	1.28	1996-97	10- 9-97 8-24-98 9-28-98	.035 .220 .005

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02041810 Swift Creek	Appomattox River	Lat 37°27'18", long 77°42'11", Chesterfield County, on left bank, 5 ft upstream from bridge on State Route 667 and 0.9 mi upstream from mouth at Swift Creek Reservoir.	21.4	1987-88, 1991-93, 1996-97	10-20-97 11-24-97 11-24-97 12-15-97 1- 7-98	.05 9.64 9.04 4.21 4.10
02041820 Blackman Creek	Deep Creek	Lat 37°24'54", long 77°43'38", Chesterfield County, on right bank, 60 ft upstream from bridge on State Route 667, and 0.7 mi upstream from mouth at Deep Creek.	5.80	1987-88, 1992-93, 1996-97	10-20-97 11-14-97 11-26-97 11-26-97 12-16-97 1- 8-98	0 0 .48 .51 .40 2.79
02041830 Horsepen Creek	Deep Creek	Lat 37°25'24", long 77°43'33", Chesterfield County, on right bank, 15 ft downstream from bridge on State Route 667, and 0.9 mi up- stream from mouth at Deep Creek.	3.72	1987-88, 1992-93, 1996-97	10-20-97 11-14-97 11-25-97 12-16-97 12-16-97 1- 8-98	0 7.74 1.12 .34 .36 1.44
02041840 Otterdale Branch	Deep Creek	Lat 37°26'28", long 77°42'40", Chesterfield County, on right bank, 10 ft downstream from bridge on State Route 667, and 0.7 mi upstream from mouth at Swift Creek Reservoir.	3.59	1987-88, 1991-93, 1996-97	10-20-97 11-14-97 11-24-97 12-15-97 12-15-97 1- 7-98	.01 10.0 1.61 .58 .57 1.24
02041850 Tomahawk Creek	Swift Creek	Lat 37°28'08", long 77°40'54", Chesterfield County, on right bank, 15 ft downstream from bridge on State Route 652, and 1.4 mi upstream from mouth at Swift Creek Reservoir.	4.20	1987-88, 1991-93, 1996-97	10-20-97 11-14-97 11-24-97 11-24-97 12-15-97 1- 7-98	0 10.1 2.87 2.85 1.12 1.87
02041860 Little Tomahawk Creek	Tomahawk Creek	Lat37°27'53", long 77°40'21", Chesterfield County, on right bank, 15 ft downstream from bridge on unimproved road, and 1.3 mi upstream from mouth at Swift Creek Reservoir.	2.31	1987-88, 1991-93, 1996-97	10-20-97 11-14-97 11-24-97 12-15-97 12-15-97 1-7-98 1-7-98	0 6.06 .97 .31 .30 .67 .62
02041862 Little Tomahawk tributary (No.1)	Little Tomahawk Creek	Lat 37°27'05", long 77°40'23", Chesterfield County, 0.6 mi west of State Route 604, and 0.2 mi upstream from mouth.	0.19	1997	10-20-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11- 7-97 11-25-97 12-17-97 1-12-98	0 .56 2.17 1.22 1.15 .80 .64 1.02 .99 1.71 1.61 1.57 .37 .36 .28 .24 .21 .01 0 .02

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
0204186350 Swift Creek tributary	Swift Creek	Lat 37°25'37", long 77°40'57", Chesterfield County, 1.7 mi north of U.S. Highway 360, 4.3 mi south-east of Hallsboro, and 0.3 mi upstream from mouth.	0.05	1997	10-20-97	.06
					11- 7-97	1.96
					11- 7-97	1.60
					11- 7-97	1.31
					11- 7-97	2.12
					11- 7-97	2.00
					11- 7-97	9.31
					11- 7-97	6.70
					11- 7-97	4.22
					11-25-97	.04
					12-17-97	.07
					1-12-98	.17
02041870 Dry Creek	Swift Creek	Lat 37°23'55", long 77°41'27", Chesterfield County, on left bank 10 ft upstream from unimproved road 0.3 south of U.S. Highway 360 and 0.3 mi upstream from mouth at Swift Creek Reservoir.	2.96	1991-93, 1996-97	10-20-97	0
					11- 7-97	.60
					11-25-97	.54
					12-16-97	.10
1- 8-98	16.4					
02041880 Ashbrook Creek	Dry Creek	Lat 37°23'56", Long 77°41'06", Chesterfield County, on right bank at dam for Ashbrook Lake about 0.1 mi upstream of mouth at Swift Creek Reservoir.	2.37	1992-93, 1996-97	10-20-97	0
02041890 West Branch	Dry Creek	Lat 37°24'39", long 77°41'16", Chesterfield County, 0.2 mi upstream from mouth at Swift Creek Reservoir	2.75	1991-93, 1996-97	10-20-97	.03
					11-14-97	3.07
					11-25-97	.55
					12-16-97	.23
1- 8-98	18.6					
02042075 Bailey Creek [a]	James River	Lat 37°14'43", long 77°19'34", Prince George County, at Fort Lee Millitary Reservation, 0.7 mi upstream from bridge on State Highway 630, and 1.2 mi south of Jefferson Park.	-	1995-97	10- 9-97	.203
					8-24-98	.262
					9-28-98	.242
02042080 Bailey Creek [a]	James River	Lat 37°16'26", long 77°17'24", Hopewell City and Prince George County line, at bridge on State Highway 156, at Hopewell, and 0.4 mi down- stream from Manchester Run.	14.0	1992-97	10- 9-97	2.84
					8-24-98	3.16
					9-28-98	2.46
02042190 Courthouse Creek [a]	Queens Creek	Lat 37°20'36", long 77°04'36", Charles City County, at Charles City, 50 ft upstream from Charles City Middle School sewage treatment plant, 0.3 mi upstream from bridge on State Highway 155, and 1.2 mi up- stream from mouth.	5.07	1993-97	10- 8-97	.212
02042250 Bailey Branch tributary	Bailey Branch	Lat 37°10'29", long 76°59'13", Surry County, at culvert on State Highway 10, 1.0 mi northwest of Sring Grove.	0.71	1968-70, 1992, 1996-97	5-27-98	1.13
02042400 Jordans Branch	Upham Brook	Lat 37°35'10", long 77°29'55", Henrico County, at bridge on U.S. Highway 250 (Broad Street) at Richmond, and 2.0 mi upstream from mouth.	2.53	1984-85, 1989-90, 1996-97	5-18-98	.90

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
JAMES RIVER BASIN--Continued						
02042455 White Oak Swamp	Chickahominy River	Lat 37°28'05", long 77°12'32", Henrico County, at bridge on State Highway 156, at Elko.	-	1984-85, 1987-89, 1991, 1995-97	10-22-97 1-15-98 4-16-98 7-16-98	7.80 25.3 20.1 2.76
02042478 Schiminoe Creek tributary	Schiminoe Creek	Lat 37°27'27", long 77°05'23", New Kent County, upstream of culvert on U.S. Highway 60, 2.8 mi west of Providence Forge, and 0.4 mi upstream from mouth.	-	1996-97	10-22-97 1-15-98 4-16-98 7-16-98	.15 1.60 2.25 .21
02042726 Diascund Creek	Chickahominy River	Lat 37°28'52", long 76°58'21", New Kent County, at bridge on State Highway 628, 2.4 mi south of New Kent, and 6.0 mi upstream from Timber Swamp.	9.25	1895, 1987-91, 1995-97	10-22-97 1-15-98 4-16-98 7-16-98	3.29 9.01 15.0 6.11
CHOWAN RIVER BASIN						
02044900 Great Creek [a]	Nottoway River	Lat 36°58'51", long 77°44'28", Dinwiddie County, at town of McKenney sewage treatment plant, 1.1 mi west of McKenney, and 1.8 mi upstream from mouth.	3.84	1994-97	10-10-97	.006
02045275 Unnamed tribu- tary [a]	Sturgeon Creek	Lat 36°51'35", long 77°50'05", Brunswick County, 0.7 mi up- stream from culvert on State Highway 642, 2.4 mi upstream from mouth and 2.8 mi east of Alberta.	1.68	-	6-23-98 9- 1-98 9-14-98 9-28-98	.095 .002 .003 .004
02046250 Stony Creek [a]	Nottoway River	Lat 36°56'53", long 77°23'24", Sussex County, at Stony Creek sewage treatment plant, 0.2 mi downstream from bridge on Interstate Highway 95, 0.6 mi east of Stony Creek, and 0.9 mi upstream from mouth.	236	1994-97	10-10-97 8-10-98 9-23-98	1.81 4.22 2.60
02046265 Hatcher Run	Rowanty Creek	Lat 37°09'20", long 77°37'32", Dinwiddie County, 25 ft up- stream from State Highway 627, 1.0 mi north of Five Forks, and 12.0 mi southwest of Petersburg.	-	-	9-10-98	.03
02050050 Blackwater River tributary	Blackwater River	Lat 36°38'44", long 76°51'29", Suffolk City, at culvert on State Highway 272, 4.9 mi southwest of Holland, and 3.0 mi upstream from mouth.	2.76	1968-70, 1996-97	5-27-98	.18
ROANOKE RIVER BASIN						
02055515 Lick Run [a]	Tinker Creek	Lat 37°16'20", long 79°56'08", Roanoke City, at Roanoke, along Norfolk Avenue, 300 ft downstream from U.S. High- way 220, and 1.0 mi upstream from mouth.	5.0	1994-97	9- 9-98	7.72

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ROANOKE RIVER BASIN--Continued						
02056800 South Fork Blackwater River [a]	Blackwater River	Lat 37°00'39", long 80°02'53", Franklin County, at Callaway, at Callaway Elem. School sewage treatment plant discharge, and 400 ft downstream from bridge on State Highway 641.	22.17	1995, 1997	9- 9-98	2.96
02057060 Gills Creek	Blackwater River	Lat 39°06'25", long 79°43'51", Franklin County, 0.8 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 35 ft upstream of confluence with Jack-O-Lantern Branch, 5.5 mi southeast of Burnt Chimney, and 8.0 mi south- west of Moneta.	-	-	8-26-98	9.47
0205706010 Jack-O- Lantern Branch	Gills Creek	Lat 37°06'54", long 79°43'50", Franklin County, 0.5 mi south on Farm Trail Loop in Booker T. Washington Monument, 5.0 mi southeast of Burnt Chimney, and 7.5 mi southwest of Moneta.	-	-	8-25-98	.07
0205706020 Jack-O- Lantern tribu- tary (No.1)	Jack-O-Lantern Branch	Lat 37°06'42", long 79°43'45", Franklin County, 0.5 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 1.0 mi south of State Highway 122, 5.0 mi southeast of Burnt Chimney, and 7.0 mi southwest of Moneta.	-	-	8-25-98	.12
0205706030 Jack-O- Lantern Branch	Gills Creek	Lat 37°06'24", long 79°43'50", Franklin County, 0.8 mi south on Jack-O-Lantern Branch Trail in Booker T. Washington National Monument, 40 ft upstram of con- fluence with Gills Creek,5.5 mi southwest of Burnt Chimney, and 8.0 mi southwest of Moneta.	-	-	8-26-98	.39
02057695 Unnamed tribu- tary [a]	Powder Mill Creek	Lat 37°00'32", long 79°53'29", Franklin County, at Rocky Mount, 800 ft east of Main Street, and 0.25 mi upstream from culvert on State Street.	-	-	5-22-98 9- 9-98	.021 .003
02059440 Unnamed tribu- tary [a] (No.1)	South Fork Goose Creek	Lat 37°23'52", long 79°45'08", Bedford County, at Woodhaven discharge, 200 ft upstream from culvert on State Highway 697, and 1.5 mi east of Villamont.	0.31	1996-97	10-24-97	.503
02060900 Roaring Run [a]	Big Otter River	Lat 37°24'28", long 79°24'11", Bedford County, at Gunnoe Sausage discharge, 500 ft upstream from bridge on State Highway 643, and 0.3 mi south of Cifax.	0.70	1994-97	10-24-97 7- 1-98	.129 .271
02061460 Buffalo Creek [a]	Big Otter River	Lat 37°18'18", long 79°17'24", Campbell County, 300 ft upstream from bridge on U.S. Highway 460, and 0.5 mi northwest of New London.	5.86	1993-97	7- 1-98	3.55

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ROANOKE RIVER BASIN--Continued						
02063800 Mollys Creek [a]	Falling River	Lat 37°12'05", long 79°03'18", at Thousand Trails sewage treatment plant discharge, 0.7 mi upstream from bridge on State Highway 654, and 2.7 mi southeast of Winfall.	13.92	1995-97	8-25-98	3.48
02065010 Phelps Creek [a]	Falling River	Lat 37°04'06", long 78°57'06", Campbell County, 500 ft down- stream from Brookneal Reservoir, 0.3 mi upstream from mouth, and 1.5 mi north of Brookneal.	3.95	1995, 1997	10- 9-97 8-25-98	1.14 1.21
02066520 Twittys Creek [a]	Roanoke Creek	Lat 36°59'22", long 78°36'13", Charlotte County, at Drakes Branch sewage treatment plant discharge, at Drakes Branch, and 0.25 mi downstream from bridge on State Highway 47.	22.66	1995, 1997	10- 9-97	.614
02072530 Blackberry Creek [a]	Smith River	Lat 36°44'42", long 80°04'48", Henry County, at Fairway Acres discharge, 500 ft upstream from bridge on State Highway 687, and 2.0 mi northeast of Sandville.	3.94	1997	9- 9-98	1.99
02075091.25 Unnamed tribu- tary [a]	Hogans Creek	Lat 36°32'30", long 79°22'22", Pittsylvania County, at Goodyear Tire and Rubber plant discharge, 0.4 mi upstream from bridge on State Highway 736, 1.1 mi south- east of Danville City limits, and 1.5 mi upstream from mouth.	0.89	1994-97	9-10-98	.125
02075191 Cane Creek [a]	Dan River	Lat 36°36'00", long 79°19'34", Pittsylvania County, 0.3 mi downstream from bridge on State Highway 730, and 1.7 mi west of Ringgold.	3.94	-	†11-18-96 †5-23-97 †6-25-97 †9-18-97 9-10-98	2.07 2.06 1.68 1.23 1.20
02075350 Powells Creek	Dan River	Lat 36°34'50", long 79°11'20", Halifax County, at culvert on U.S. Highway 58, 1.1 mi east of Halifax-Pittsylvania county line, 8.8 mi southwest of Turbeville, and 0.8 mi up- stream from mouth.	028	1993, 1996	6-10-98	.10
02076100 Wet Sleeve Creek [a]	Banister River	Lat 36°46'18", long 79°32'52", Pittsylvania County, 0.4 mi downstream from bridge on State Highway 815, 1.3 mi upstream from mouth, and 2.8 mi northeast of Swansonville.	3.75	1993-95, 1997	9-10-98	1.02
02076200 Bearskin Creek	Banister River	Lat 36°50'30", long 79°29'05", Pittsylvania County, at culvert on State Highway 57, 4.5 miles west of Chatham.	4.06	1969-72, 1996-97	1- 6-98	2.76
02076280 Dry Fork [a]	White Oak Creek	Lat 36°44'40", long 79°23'48", Pittsylvania County, at Vulcan Materials Company discharge, 0.6 mi south of Dry Fork, and 0.7 mi upstream from bridge on State Highway 718.	2.42	1994-95, 1997	9-10-98	0

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YADKIN RIVER BASIN						
02113540 Unnamed tribu- tary [a] (No. 1)	Birds Branch	Lat 36°38'18", long 80°32'05", Patrick County, at Doe Run Lodge discharge, 0.25 mi south of Pilot Mtn. Overlook, and 3.0 mi north- west of Ararat.	-	1995-97	8- 4-98	.090
02113541 Unnamed tribu- tary [a] (No. 2)	Birds Branch	Lat 36°38'16", long 80°32'30", Patrick County, at Groundhog Mtn. Resort discharge, 0.45 mi southwest of Pilot Mtn. Overlook, and 3.1 mi north- west of Ararat.	-	1995-97	8- 4-98	.040
KANAWHA RIVER BASIN						
03162705 Peggies Branch [a]	New River	Lat 36°36'08", long 81°20'22", Grayson County, 0.2 mi down- stream from bridge on State Hihgway 728, 0.3 mi north of Oak Hill, and 1.6 mi up- stream from mouth.	1.54	1995, 1997	8- 4-98	.403
03162750 Fox Creek [a]	New River	Lat 36°41'22", long 81°25'52", Grayson County, at Rivers Casuals sewage treatment plant, 400 ft upstream from bridge on State Highway 16, and 1.1 mi southeast of Troutdale.	13.82	1994-95, 1997	8- 4-98	3.06
03162852 Peach Bottom Creek [b]	New River	Lat 36°36'01" long 81°06'41", Grayson County, at Indepen- dence sewage treatment plant, 200 ft upstream from State Highway 697, and 2.7 mi southeast of Independence.	-	1993-95, 1997	8- 4-98	8.58
03163480 Stone Creek [a]	Elk Creek	Lat 36°43'27", long 81°10'45", Grayson County, at Perry Manufacturing sewage treat- ment plant, 0.2 mi north of Elk Creek, and 0.3 mi upstream from bridge on State Highway 659.	2.31	1994-95, 1997	8- 5-98	1.14
03164100 Bull Run [a]	New River	Lat 36°42'28", long 81°02'11", Grayson County, 0.5 mi upstream from bridge on State Highway 648, 1.3 mi northwest of Providence, and 2.5 mi southwest of Stevens Creek.	0.32	1995, 1997	8- 4-98	.240
03166100 Buddle Branch [a]	New River	Lat 36°50'17", long 80°55'00", Wythe County, 100 ft east of State Highway 636, 0.6 mi upstream from culvert on State Highway 69, and 0.9 mi south of Austinville.	-	1993-97	8- 5-98	.154
0316612010 Unnamed tribu- tary [a] (No.1)	Buddle Branch	Lat 36°51'21", long 80°54'18", Wythe County, 10 ft upstream from confluence with Buddle Branch, 0.6 mi northeast of Austinville.	-	1997	8- 5-98	.955

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
KANAWHA RIVER BASIN--Continued						
03167100 McGavock Creek [a]	Reed Creek	Lat 36°57'58", long 80°51'07", Wythe County, at I-81 Auto & Truck Stop sewage treatment plant discharge, at exit 86, and 2.8 mi northeast of Grahams Forge.	0.12	1995-97	8- 3-98	.003
03167150 Big Reed Island Creek [a]	New River	Lat 36°41'20", long 80°31'42", Carroll County, at Olde Mill Golf Resort, 0.2 mi down- stream from bridge on State Highway 618, and 2.1 mi south of Laurel Fork.	20.2	1994-97	8- 4-98	14.4
03167600 Unnamed tribu- tary [a] (No.1)	East Fork Little Reed Island Creek	Lat 36°40'00", long 80°41'43", Carroll County, at Lakeview Motel sewage treatment plant discharge, at Fancy Gap, and 1.1 mi upstream from mouth.	0.13	1995-97	8- 4-98	.057
03167608 East Fork Little Reed Island Creek [a]	Reed Island Creek	Lat 36°40'27", long 80°42'42", Carroll County, at Days Inn discharge, 200 ft upstream from I-77, and 1.2 mi northeast of Fancy Gap.	3.21	1996-97	8- 4-98	3.02
03167610 Unnamed tribu- tary [a]	East Fork Little Reed Island Creek Tributary (No.2)	Lat 36°40'26", long 80°41'42", Carroll County, at Utts Campground discharge, at culvert on U.S. Highway 52, and 0.5 mi north of Fancy Gap.	0.15	1995-97	8- 4-98	.035
03168450 Peak Creek [a]	New River	Lat 37°02'50", long 80°47'32", Pulaski County, at Pulaski, 600 ft downstream from bridge on State Highway 610, and 0.4 mi upstream from Tract Fork.	-	1995, 1997	8-21-98	3.62
03168480 Tract Fork [a]	Peak Creek	Lat 37°02'50", long 80°47'14", Pulaski County, at Pulaski, 100 ft upstream from mouth, and 1.9 mi downstream from Harbison Branch.	25.55	1994-95	8-21-98	3.01
03169220 Dodd Creek [a]	West Fork	Lat 36°54'38", long 80°20'20", Floyd County, at Floyd sewage treatment plant, 900 ft down- stream from bridge on U.S. Highway 221, and 0.8 mi west of Floyd.	19.25	1996-97	8- 3-98	14.0
03171170 Crab Creek [a]	New River	Lat 37°09'26", long 80°28'15", Montgomery County, at Town of Christiansburg discharge, 200 ft upstream from culvert on State Highway 660, and 3.9 mi northwest of Christiansburg.	13.79	1995, 1997	8- 3-98	6.13
03171700 Crab Orchard Creek [a]	Walker Creek	Lat 37°05'36", long 81°06'37", Bland County, 0.4 mi down- stream from bridge on State Highway 605, 0.7 mi southeast of Bland.	15.91	1993-97	8-28-98	1.72

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
KANAWHA RIVER BASIN--Continued						
03174580 Hunting Camp Creek [a]	Wolf Creek	Lat 37°09'25", long 81°08'55", Bland County, at GIV Inc. dis- charge, 0.3 mi north of Bastian, and 1.1 mi upstream from mouth.	29.8	1995, 1997	8- 3-98	.508
03174600 Wolf Creek [a]	New River	Lat 37°10'38", long 81°09'10", Bland County, at Kegley Manor sewage treatment plant dis- charge, 0.4 mi upstream from U.S. Highway 21 and 52, 0.8 mi upstream from Hunting Camp Creek, and 1.7 mi north of Bastian.	99.0	1994-95, 1997	8- 3-98	9.89
BIG SANDY RIVER BASIN						
03207227 Right Fork [a]	Garden Creek	Lat 37°10'02", long 82°00'53", Buchanan County, at Skeggs, 600 ft upstream from Skeggs Branch, and 1.5 mi south of Mount Heron.	12.0	1995-97	8-27-98	2.66
03207350 Levisa Fork [b]	Big Sandy River	Lat 37°14'21", long 82°04'02", Buchanan County, at Oakwood sewage treatment plant, 0.1 mi downstream from Laurel Branch, and 1.8 mi east of Vansant.	177	1993-97	8-27-98	43.3
03207438 Slate Creek [a]	Levisa Fork	lat 37°18'45", long 81°58'36", Buchanan County, at J. M. Bevins Elementary School sewage treatment plant, 50 ft south of State Highway 83, 600 ft upstream from Twin Branch, and 0.9 mi southeast of Stacy.	16.12	1994-97	8-27-98	1.13
03208340 McClure Creek [a]	McClure River	Lat 37°01'03", long 82°17'46", Dickenson County, 100 ft west of State Highway 63, 0.2 mi downstream from Trammel Branch, and 0.3 mi northwest of Trammel.	4.02	1994-97	8-25-98	1.72
03208364 McClure Creek [a]	McClure River	Lat 37°04'04", long 82°20'40", Dickenson County, at Ervinton Elementary School sewage treat- ment plant, 0.2 mi upstream from bridge on State Highway 652, 0.2 mi upstream from Open Fork, and 0.3 mi southeast of Nora.	22.0	1994-97	8-25-98	11.4
03208368 Spring Fork [a]	Open Fork	Lat37°02'59", long 82°21'36", Dickenson County, 400 ft up- stream from confluence with Open Fork, 1.6 mi southeast of Nora.	5.18	1997	8-25-98	1.65
03208700 North Fork Pound River	Pound River	Lat 37°07'32", long 82°37'36", Wise County 700 ft down- stream from Stacy Branch, 1,600 ft downstream from North Fork Pound River dam, and at Pound.	18.5	1963-97	1- 6-98 5-21-98 5-21-98	27.8 3.16 3.45

a Provided by the Virginia Department of Environmental Quality - Water Division.

b Provided by both the U.S. Geological Survey and Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
BIG SANDY RIVER BASIN--Continued						
03208800 Pound River	Russell Fork	Lat 37°07'26", long 82°36'29", Wise County, 1,600 ft down- stream from confluence of North and South Forks, 0.5 mi upstream from U.S. Highway 23, 0.7 mi upstream from Indian Creek, and at Pound.	36.7	1966-81, 1984-97	4- 2-98 8-11-98	45.5 21.5
03208900 Pound River	Russell Fork	Lat 37°09'51", long 82°31'30", Dickenson County, 50 ft up- stream from State Highway 624, 150 ft upstream from Camp Creek, and 2.6 mi northwest of Georges Fork.	82.5	1964-97	5-21-98 8-11-98	93.9 52.2
0320890475 Laurel Creek [a]	Georges Fork	Lat 37°08'02", long 82°29'25", Dickenson County, 1.1 mi south of Georges Fork, 1.4 mi upstream from mouth.	0.189	1997	8-25-98	.035
0320890485 Georges Fork [a]	Pound River	Lat 37°09'01", long 82°29'25", Dickenson County, 50 ft down- stream from Laurel Creek, 300 ft downstream from bridge on State Highway 83, and 0.2 mi northwest of Georges Fork.	5.57	1994-97	8-25-98	2.53
03209200 Russell Fork	Levisa Fork	Lat 37°14'45", long 82°19'25", Dickenson County, at bridge on State Highway 611, 0.2 mi downstream from Pound River, and at Bartlick.	526	1963-97	5-21-98 8-11-98	546 346
03213570 Right Fork [a]	Knox Creek	Lat 37°22'53", long 82°00'01", Buchanan County, at Hurley Middle School sewage treat- ment plant, 200 ft downstream from Straight Fork, 0.1 mi upstream from mouth, and at Blackey.	8.53	1994-97	8-27-98	.305
TENNESSEE RIVER BASIN						
03472200 Big Laurel Creek [a]	Whitetop Laurel Creek	Lat 36°41'15", long 81°32'54", Smyth County, at Grindstone Recreation Area sewage treat- ment plant, 0.1 mi upstream from bridge on State Highway 603, and 1.9 mi north of Mt. Rogers.	0.53	1994-95, 1997	8- 5-98	.121
03473840 Unnamed tribu- tary [a]	Hungry Mother Creek	Lat 36°52'20", long 81°30'42", Smyth County, at Hungry Mother State Park Campground D sewage treatment plant, 400 ft down- stream from bridge on park road, and 2.7 mi north of Marion.	2.17	1993-95	8-26-98	.270
03475595 Cedar Creek [a]	Middle Fork Holston River	Lat 36°44'55", long 81°51'26", Washington County, at Meadowview Elem. School sewage treatment plant, 0.1 mi north of Cedarville, and 3.4 mi upstream from mouth.	3.38	1995, 1997	8- 5-98	.895

a Provided by the Virginia Department of Environmental Quality - Water Division.

Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TENNESSEE RIVER BASIN--Continued						
03475600 Cedar Creek	Middle Fork Holston River	Lat 36°44'50", long 81°51'20", Washington County, at culvert on U.S. Highway 11, 1.2 mi south of Meadowview, and 2.5 mi upstream from mouth.	3.38	1969, 1990, 1992-94	3-24-98	5.28
03475630 Wolf Creek [b]	South Fork Holston River	Lat 36°41'11", long 81°58'56", Washington County, at town of Abingdon sewage treatment plant, 100 ft downstream from bridge on State Highway 670, and 1.6 mi south of Abingdon.	15.95	1948, 1988, 1993-95, 1997	10-30-97 12- 1-97 12- 5-97 12- 5-97 1- 8-98 2- 3-98 2-23-98 3-20-98 4-17-98 5- 1-98 7- 2-98 8-21-98 9-17-98 9-17-98 9-29-98 9-29-98	11.0 18.4 9.28 12.0 28.5 60.3 45.8 89.3 248 27.2 24.8 15.8 11.0 10.6 9.15 9.64
034765085 Sinking Creek [a]	Paperville Creek	Lat 36°39'44", long 82°03'56", Washington County, on State Highway 808, 0.2 mi downstream from bridge on U.S. Highway 11, and 5.6 mi southwest of Abingdon.	0.59	1993-97	8- 5-98	1.06
03487800 Lick Creek	North Fork Holston River	Lat 36°57'44", long 81°28'21", Smyth County, 270 ft upstream from bridge on State Highway 42, 1.6 mi upstream from mouth, and 2.9 mi northeast of Chatham Hill.	25.5	1966-68 1990, 1992, 1994	4-13-98	64.1
03488450 Brumley Creek	North Fork Holston River	Lat 36°47'30", long 82°01'10", Washington County, at bridge on State Highway 611, 0.2 mi upstream from mouth, 0.8 mi southeast of Brumley Gap, and 2.7 mi downstream from Lee Creek.	21.1	1979-81, 1982-85, 1992, 1994	3-24-98	85.0
03488490 Canoe Branch[a]	North Fork Holston River	Lat 36°45'12", long 82°02'42", Washington County, at Greendale Elementary School discharge, 2.4 mi upstream from mouth, and 2.4 mi southeast of Holston.	0.05	1997	8-26-98	<.001
03489860 Hilton Creek [a]	North Fork Holston River	Lat 36°39'12", long 82°27'50", Scott County, at Hilton Elementary School sewage treatment plant, 0.2 mi south- east of Hilton, and 0.4 mi upstream from mouth.	1.05	1993-95, 1997	5-19-98 8-24-98	.998 .248
03489867 Unnamed tribu- tary [a] (No.8)	North Fork Holston River	Lat 36°38'24", long 82°29'33", Scott County, at Brickyard Gap, 300 ft upstream from bridge on State Highway 896, 0.3 mi upstream from mouth, and 1.7 mi southwest of Hilton.	2.95	-	8-24-98	.387

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Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TENNESSEE RIVER BASIN--Continued						
03489950 Unnamed tribu- tary [a] (No.1)	Little Moccasin Creek	Lat 36°38'13", long 82°40'00", Scott County, 400 ft upstream from culvert on State Highway 870, 600 ft upstream from mouth, and 3.1 mi northeast of Kermit.	0.20	1997	8-24-98	.063
03521500 Clinch River	Tennessee River	Lat 37°05'10", long 81°46'52", Tazewell County, 1.0 mi south- east of Richlands, 1.7 mi downstream from Indian Creek.	137	1945-97	1- 5-98	75.8
03521550 Big Creek [a]	Clinch River	Lat 37°09'14", long 81°47'02", Tazewell County at Seaboard No.2 Mine discharge, at mouth of Wildcat Hollow, and 0.6 mi southeast of Coaldan.	3.86	1997	8-27-98	.178
03523050 Big Cedar Creek [a]	Clinch River	Lat 36°55'19", long 82°03'10", Russell County, at Lebanon sewage treatment plant, 200 ft downstream from Little Cedar Creek, and 2.1 mi north- east of Lebanon.	-	1993-95, 1997	8-26-98	25.7
03524018 Hurricane Fork [a]	Dumps Creek	Lat 36°59'06", long 82°10'58", Russell County, 0.6 mi down- stream from Laurel Branch, 1.1 mi upstream from the mouth, and 1.6 mi north of South Clinchfield.	10.3	1995-97	8-25-98	1.79
03524025 Dumps Creek [a]	Clinch River	Lat 36°57'23", long 82°10'46", Russell County, 300 ft down- stream from Millstone Branch, 0.5 mi south of South Clinchfield, and 2.0 mi up- stream from mouth.	20.9	1995-97	8-25-98	7.95
03524596 Corder Branch [a]	Little Stony Creek	Lat 36°53'04", long 82°27'51", Wise County, 100 ft downstream from Ramey Branch, 0.6 mi up- stream from mouth, and 4.1 mi south of Coeburn.	3.55	1995, 1997	8-26-98	.137
03527505 Unnamed tribu- tary [a] (No.7)	North Fork Clinch River	Lat 36°42'40", long 82°47'15", Scott County, at Empire Mobile Home Park sewage treatment plant dischrage, 0.6 mi upstream from mouth, and 0.7 mi southeast of Duffield.	1.91	1995, 1997	8-24-98	.077
03529420 Callahan Creek [a]	Powell River	Lat 36°55'03", long 82°47'29", Wise County, at Interstate R/R discharge, 0.6 mi southeast of Andover, 0.6 mi downstream from Preacher Creek, and 1.0 mi up- stream from mouth.	27.4	1995, 1997	8-25-98	7.41
03529430 Lick Branch [a]	Pigeon Creek	Lat 36°52'55", long 82°50'00", Wise County, at confluence with Pigeon Creek, at Lower Exeter, 500 ft north of State Highway 68, and 1.5 mi west of Imboden.	-	1997	8-25-98	.774

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Discharge measurements made at special study and miscellaneous sites during water year 1998--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TENNESSEE RIVER BASIN--Continued						
03531190 Station Creek [a]	Powell River	Lat 36°42'34", long 82°57'33", Lee County, at Dot Mobile Home Park sewage treatment plant, 500 ft upstream from bridge on U.S. Highway 58, and at Dot.	3.29	1994-95, 1997	8-24-98	0
03531200 Station Creek [a]	Powell River	Lat 36°41'58", long 83°00'02", Lee County, at Lee County Industrial Park discharge, 1.3 mi upstream from mouth, and 2.4 mi west of Dot.	7.55	1994-95, 1997	8-24-98	1.08

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